REMARKS/ARGUMENTS

Claim Amendments

The Applicant has amended claims 1-2, 4, 14, 17, and 25-26. Applicant respectfully submits no new matter has been added. Accordingly, claims 1-2, 4-15, 17, 19-26, 28, and 33-38 are pending in the application. Favorable reconsideration of the application is respectfully requested in view of the foregoing amendments and the following remarks.

Response to Arguments

The Applicant appreciates the Examiner's considered reply to Applicant's previous arguments. The amendments to the claims were undertaken in response to the content of this section of the Detailed Action. The current amendments to the claims are a result of studying the certain features alluded to in the reply.

Claim Rejections – 35 U.S.C. § 103 (a)

Claims 1-2, 4-6, 8-9, 14-15, 17, 19-26, 28 and 33-38 stand rejected under 35 U.S.C. § 103(a) as being unpatentable over Elgamal (5,671,279) in view of "WMLScript Crypto Library" (hereinafter Crypto). The Applicant has amended claims 1-2, 4, 14, 17, and 25-26 to better define the intended scope of the claimed invention and respectfully traverses the rejection of these claims.

As previously discussed, the Applicant's invention discloses a method for the authorization of transactions, which is adapted to a wireless network with low data transfer rates (para. 0004). An identifier for an authorization request that will be sent to a user equipment (e.g., mobile phone) is calculated from a content to be authorized, i.e., a transaction. The identifier is calculated utilizing components or parts of the actual transaction. The description of Figure 2 discloses providing a text string that "...is included in the authorization request and displayed by the user equipment UE. The text string is a comment provided for the user for identifying the content which is to be signed...", "e.g. an amount for payment, a document number, the title of a contract or a list of items ordered." The text string is linked to the identifier and included in the

authorization request. (Para. 0040) Alternatively, a default string that is stored in the UE may represent the indication and the default string may be displayed instead. So, the Applicant's invention provides an understandable indication of the content that is represented by the authorization request and the user may provide a signed authorization response upon reading the mobile phone display, for instance. (Para. 0053)

The Applicant respectfully directs the Examiner's attention to amended claim 1.

> 1. (Currently Amended) A method for authorizing transactions in a wireless communication system, wherein a user equipment (UE), comprising a mobile phone, receives an authorization request for a content which is to be authorized with an identifier and wherein the UE replies to the request with an authorization response, said method comprising the steps of:
>
> calculating the identifier from the content, utilizing selected parts of the content to reduce the amount of data for transfer to the UE
>
> transmitting the authorization request with the identifier to the UE,
>
> receiving the authorization request,
>
> determining whether the authorization request comprises an indication, the indication comprising the string (T) or a default string retrieved from memory identifying the content in a form understandable by the user;
>
> selecting the string (T);
>
> outputting the string (T) by the user equipment (UE),
>
> waiting for an input to approve or disapprove the authorization request,
>
> signing the identifier using a signing function, and
>
> sending the authorization response according to the input, wherein an approving authorization response comprises the signed identifier. (emphasis added)

The Applicant respectfully asserts that neither the Elgamal reference nor the Crypto reference, either individually or in combination, disclose the above emphasized limitations.

The Applicant respectfully asserts that Elgamal does not disclose providing an indication of the authorization request that is understandable to the user. Elgamal is cited for calculating the identifier from the transaction information. The portion of the Elgamal reference cited for the calculation does include calculating an identifier.

However, Elgamal does not disclose "...utilizing selected parts of the content to reduce the amount of data for transfer to the UE," as claimed in the Applicant's amended claim 1. Elgamal discloses generating data needed by the client before payment (Col. 9, lines 55-60; col. 5, lines 20-28). The Applicant has reviewed the cited parts of Elgamal and the cite in Col. 5, discloses generating a low grade signature using a hash of the Value and the customer's credit card number, PIN, etc. These are fixed numbers and as the document states, a low grade signature not a identifier transaction for a transaction.

The string generated by the present invention is displayed on the user equipment and since parts of the transaction are included in the readable string the user is able to identify which transaction is being requested to authorize. The string is included in the authorization request. The cited portion of the Elgamal reference (col. 9, line 61-67) indicates that the request is directed from the customer to the merchant and is concerned with a purchase order and payment instructions and they are sent together from the cardholder to the Merchant. The transmission includes name, validity period, items, total amount and so on. The Applicant's invention provides, in a sense, a text "id" of the authorization request that provides identifiable content from a particular transaction. The text is limited specifically because the receiver is a mobile terminal. The displayable data disclosed in Elgamal could not be displayed in the Applicant's invention simply because the Applicant's invention is for mobile phones.

The Elgamal reference is cited for displaying the indication. The portion of Elgamal cited regarding indication display (col. 25, lines 44-51; col. 26, lines 13-21 and 64-65) discloses an offer message comprising "orderDesc" that describes the transaction. The term orderDesc is the contract between the Buyer and the merchant. "Order" is described as the data used as input to the hash function and the data that was displayed at the time a purchase was made (col. 26, lines 64 - 65). The Elgamal reference does not disclose an indication comprising a string (T) or a default string retrieved from memory. The indication is a string that is readable by the user and only contains a brief summary of parts of the transaction to be authorized.

The Crypto reference is cited for a server sending an authorization request after receiving a message from a further entity. However, the Crypto reference fails to supply

the elements missing from the Elgamal reference. The Applicant respectfully submits that Elgamal and Crypto references, either individually or in combination lack the limitations recited in amended claim 1 and the Applicant respectfully requests the withdrawal of the rejection of claim 1.

As between claim 1 and the Elgamal and Crypto references, the Applicant respectfully submits that amended independent claims 14 and 25 are analogous to claim 1 and contain limitations similar to those found in claim 1. This being the case, claims 2, 4-6, 8-10, 12-13, 15, 17, 19-24, 26, 28, 33-38 which depend from the respective amended independent claims 1, 14 and 25 contain the same limitations. The Applicant respectfully requests the withdrawal of claims 1-15 and 17-26.

CONCLUSION

In view of the foregoing remarks, the Applicant believes all of the claims currently pending in the Application to be in a condition for allowance. The Applicant, therefore, respectfully requests that the Examiner withdraw all rejections and issue a Notice of Allowance for all pending claims.

The Applicant requests a telephonic interview if the Examiner has any questions or requires any additional information that would further or expedite the prosecution of the Application.

Respectfully submitted,

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